

## ABSTRACT

Methods and apparatus, including computer program products, implement techniques for visualizing data dependencies. A specification of a component encapsulating one or more controllers is received. Each controller has an associated data structure of data elements.

5 The component includes one or more data mappings, where each data mapping is either a context mapping or a model mapping. A context mapping binds the data element to another data element. A model mapping specifies a supply function operable to derive a value of the data element from a model. A data dependency relationship is derived whenever there is at least one data mapping between the controller and another controller or a model. Each data  
10 dependency relationship is directed from a controller to one other controller or to one of the models. A data dependency relationship is visualized by displaying a link showing a direction of data dependency.